

Technical Data Sheet

Last revised: **01-2019**

DELTA-S® 5525

DELTA-S® 5525 is a fatty acid-based polymer to stabilize all kinds of pigments and extenders in water-based systems, especially in decorative coatings. **DELTA-S® 5525** can be used as a wetting and dispersing agent for VOC-free applications and is also suitable for the preparation of universal colorants for architectural paints and the improvement of their compatibility with the bases (post-addition).

Specifications:

Composition	: Solution of fatty acid-based polymer
Solvent	: Water
Amine value	: 20-30 mg KOH/g
Acid value	: 24-35 mg KOH/g
Appearance	: Brownish liquid
Active ingredients	: 50%

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-S® 5525 stabilizes organic and inorganic pigments and extenders in water-based systems, especially in decorative coatings.

When used as wetting and dispersing agent, **DELTA-S® 5525** is considered suitable for VOC-free applications, particularly in universal colorants. When using universal colorants in decorative paints, the addition of **DELTA-S® 5525** to the water-based base paints helps to increase compatibility, color acceptance and can overcome the problem of "pigment stripping".

DELTA-S® 5525 can be incorporated into the mill-base or used as post-additive prior to the addition of the universal colorants.

To reach the lowest possible viscosity, **DELTA-S® 5525** can be neutralized to pH 8.0- 8.5 (e.g. NaOH, **DELTA-S® 95** or DMEA).

The calculation method for the required dosage (Active ingredient/pigment) is as follows:

<u>For universal colorants</u>	: <u>05.0-10.0%</u> on inorganic pigments
	: <u>10.0-20.0%</u> on organic pigments or carbon blacks
<u>Post-addition in bases</u>	: <u>0.5-1.5%</u> on total base weight

Safety and Handling:

DELTA-S® 5525 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-S® 5525 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The production date is indicated on the container.



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Packaging:

1000 kg non-returnable containers (IBC)
